

FIG.1

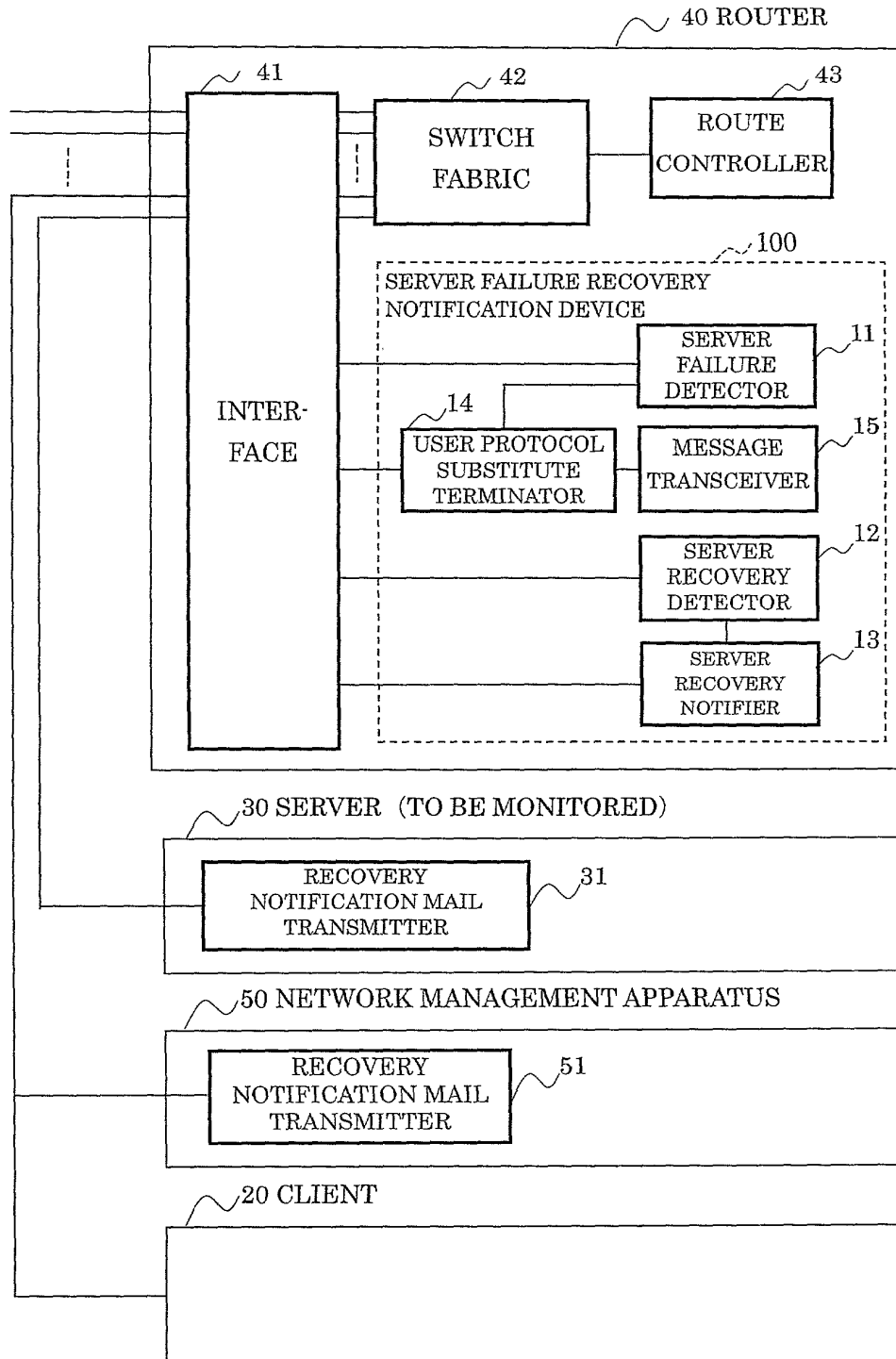


FIG.2A

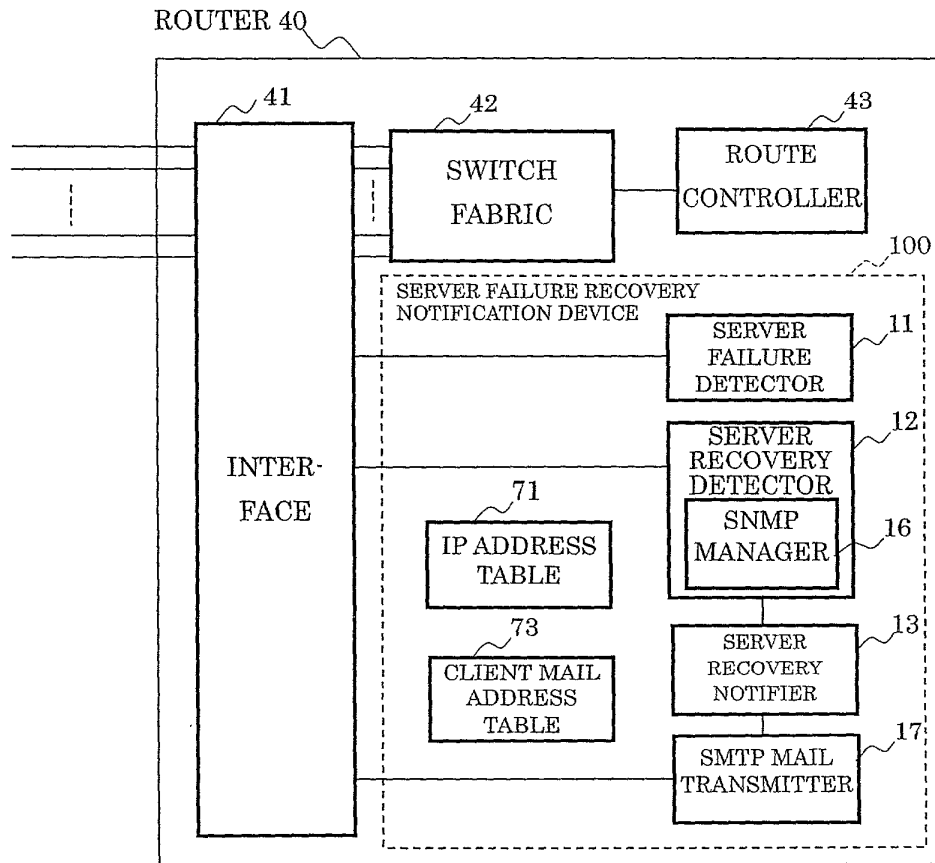


FIG.2B

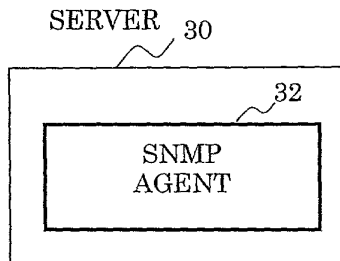


FIG.3

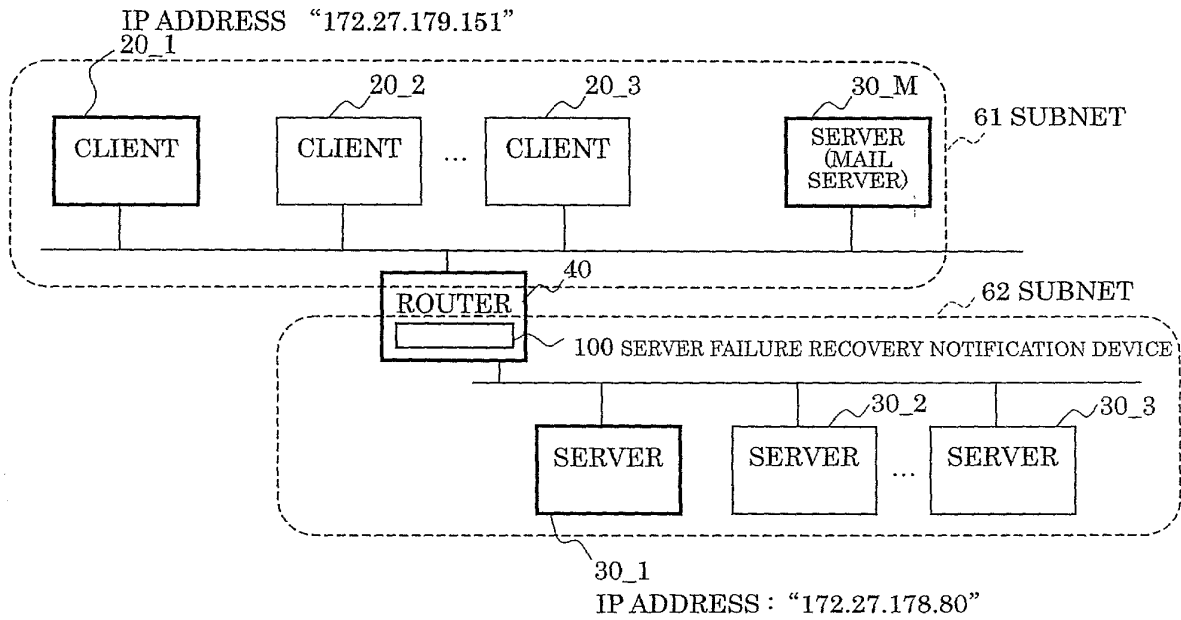


FIG.5

73,35,55

CLIENT IP ADDRESS	MAIL ADDRESS
172.27.179.150	Tanaka@xxx.yyy.co.jp
172.27.179.151	Sato@xxx.yyy.co.jp
172.27.179.152	Nakamura@xxx.yyy.co.jp

FIG.4A

WITHOUT REGISTRATION TIME

~ 71a

FAILED SERVER IP ADDRESS	ACCESSING SOURCE CLIENT IP ADDRESS HEAD LINK NO.	ACCESSING SOURCE CLIENT IP ADDRESS END LINK NO.
172.27.178.80	1	5
.	.	
.	.	
.	.	

~ 71b

NO.	ACCESSING SOURCE CLIENT IP ADDRESS	NEXT CLIENT IP ADDRESS LINK NO.
1	172.27.179.151	5
2	.	.
3	.	.
4	.	.
5	172.27.179.152	0 (LINK END)
6	.	.
	.	.

~ 71c

CLIENT IP ADDRESS EMPTY AREA HEAD LINK NO.	CLIENT IP ADDRESS END LINK NO.
2	1 0 0 0

FIG.4B

WITH REGISTRATION TIME

~ 72b

NO.	ACCESSING SOURCE CLIENT IP ADDRESS	NEXT CLIENT IP ADDRESS LINK NO.	REGISTRATION TIME
1	172.27.179.151	5	2000/01/04 21:03:12
2	172.27.179.152	7	2000/01/04 21:04:12
3	172.27.179.155	1 0	2000/01/04 21:05:12
.	.	.	.
6	172.27.179.152	0	2000/01/04 21:07:12

FIG.6

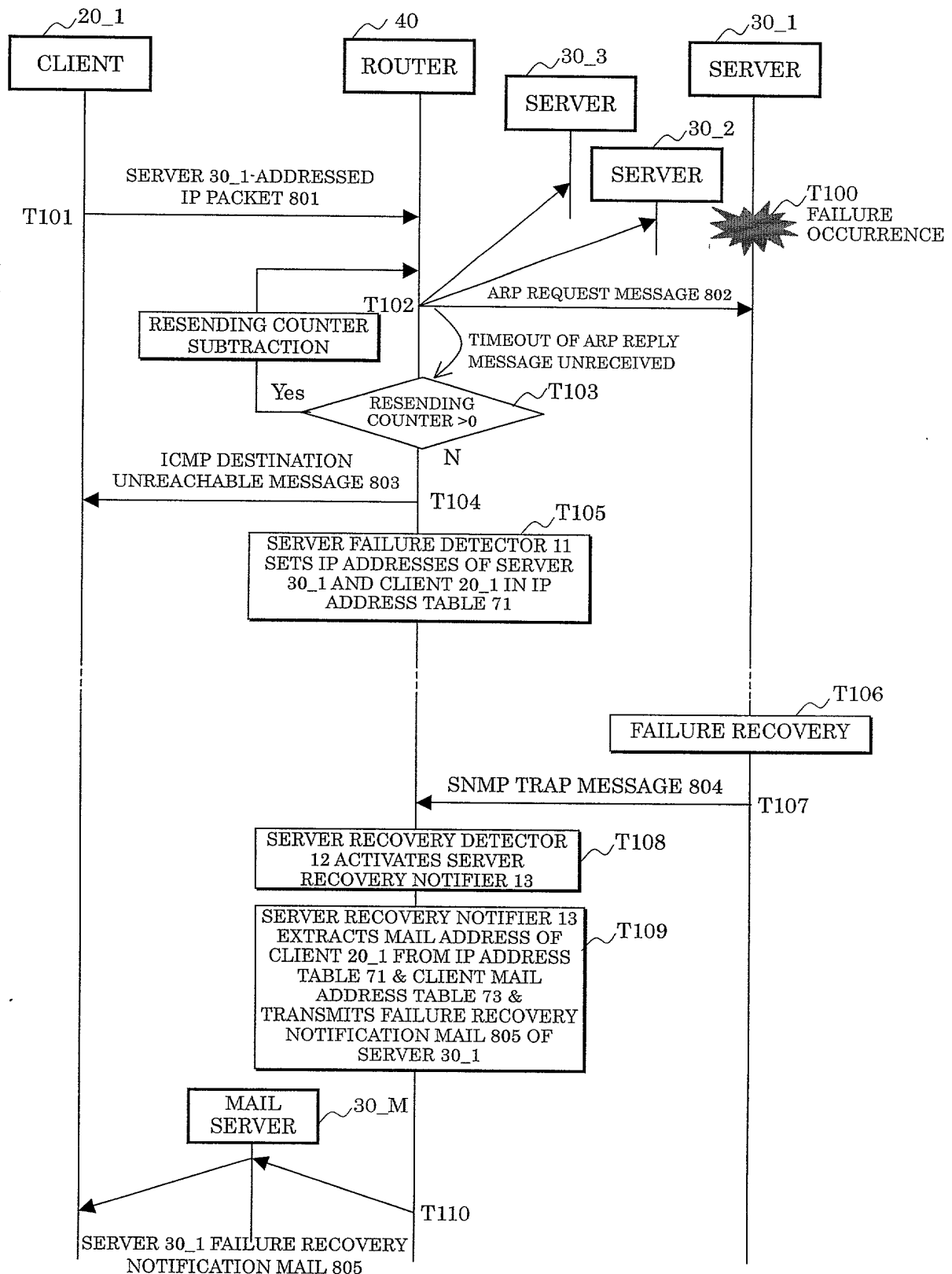


FIG.7A IP HEADER

VERSION	HEADER LENGTH	SERVICE TYPE	TOTAL LENGTH	
IDENTIFIER (ID)			FLAG	FRAGMENT OFFSET
LIFETIME	PROTOCOL		HEADER CHECKSUM	
SOURCE IP ADDRESS = "172.27.179.151"				
DESTINATION IP ADDRESS = "172.27.178.80"				
OPTION (VARIABLE LENGTH)			PADDING (VARIABLE LENGTH)	

FIG.7B TCP HEADER

SOURCE PORT NO.			DESTINATION PORT NO.		
SEQUENCE NO. (SQN)					
RECEPTION ACKNOWLEDGEMENT NO. (CAN)					
DATA OFFSET	RESERVED	CONTROL BIT		WINDOW	
CHECKSUM			URGENT POINTER		
OPTION (VARIABLE LENGTH)			PADDING (VARIABLE LENGTH)		

FIG.8

805,813,823

TO Messr.sato@xxx.yyy.co.jp

「SERVER FAILURE RECOVERY NOTIFICATION」

IT IS HEREBY NOTIFIED THAT THE FOLLOWING SERVER
HAS RECOVERED.

RECOVERED SERVER : aaa.bbbb.cccc.co.jp (172.27.178.80)

RECOVERED TIME : yyyy/mm/dd HH:MM:SS

FIG.9

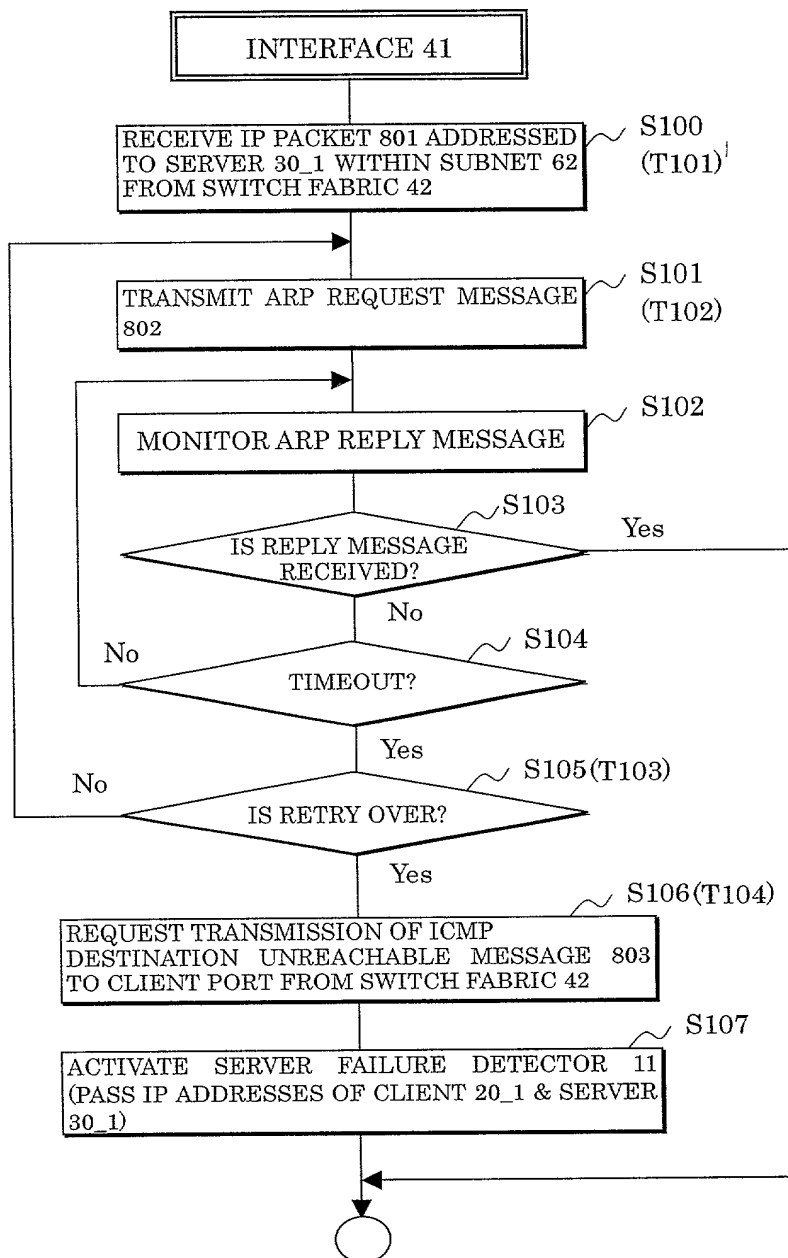


FIG.10

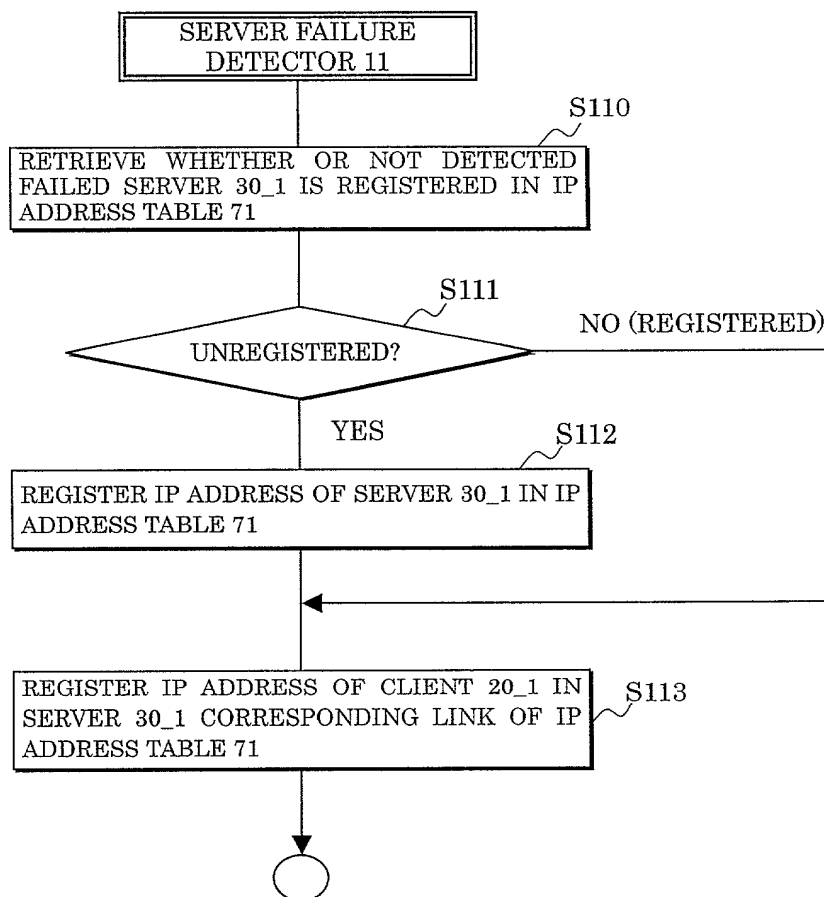


FIG.11

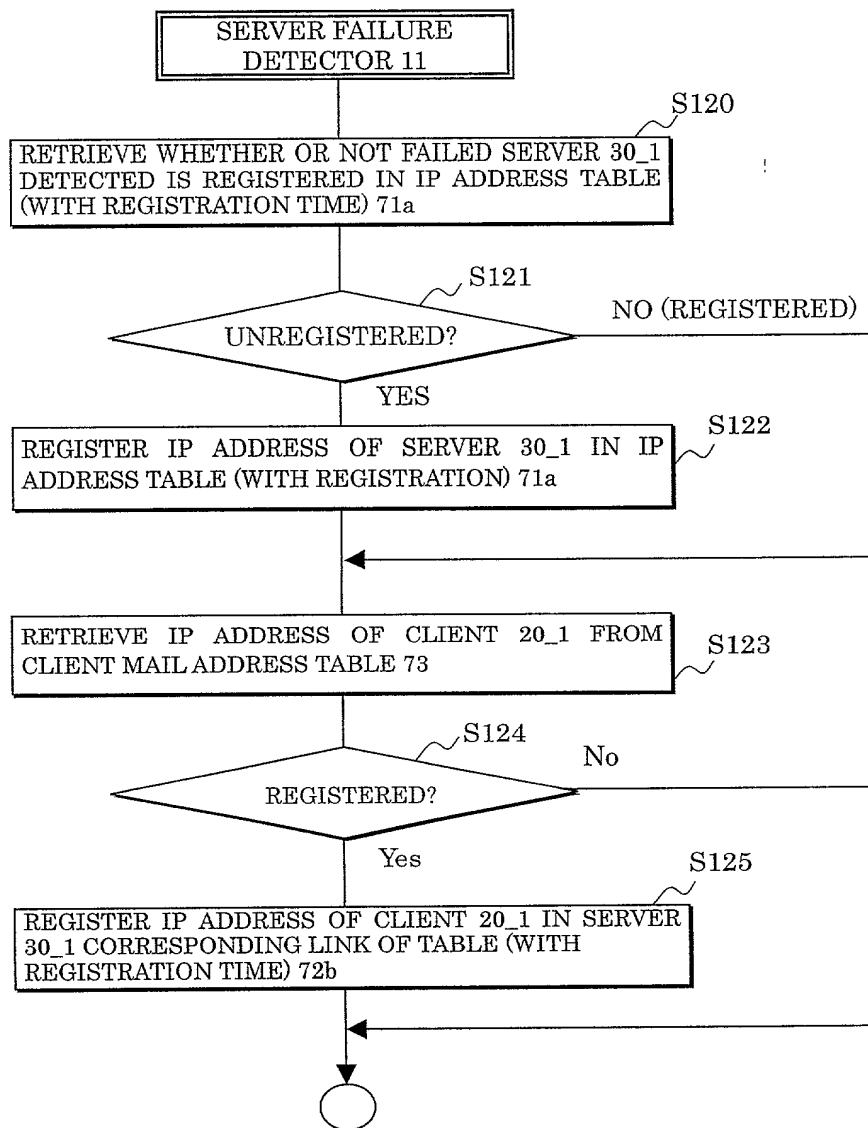


FIG.12

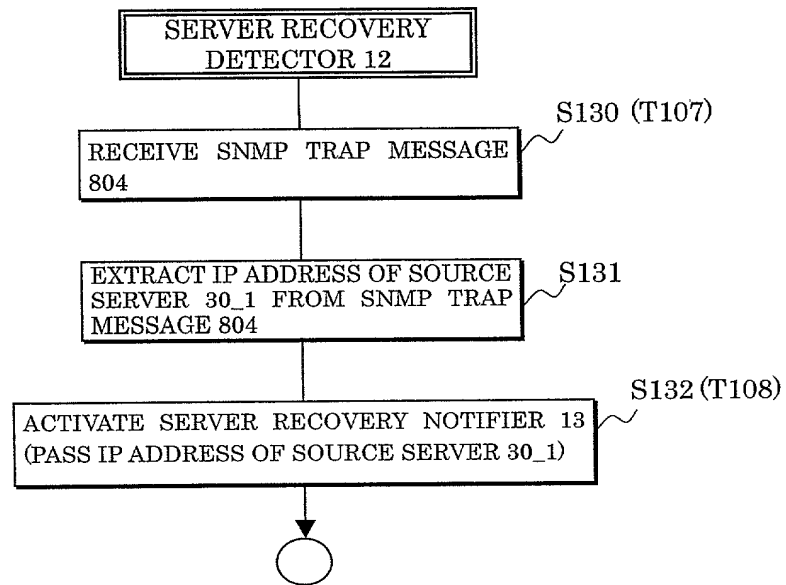


FIG.13

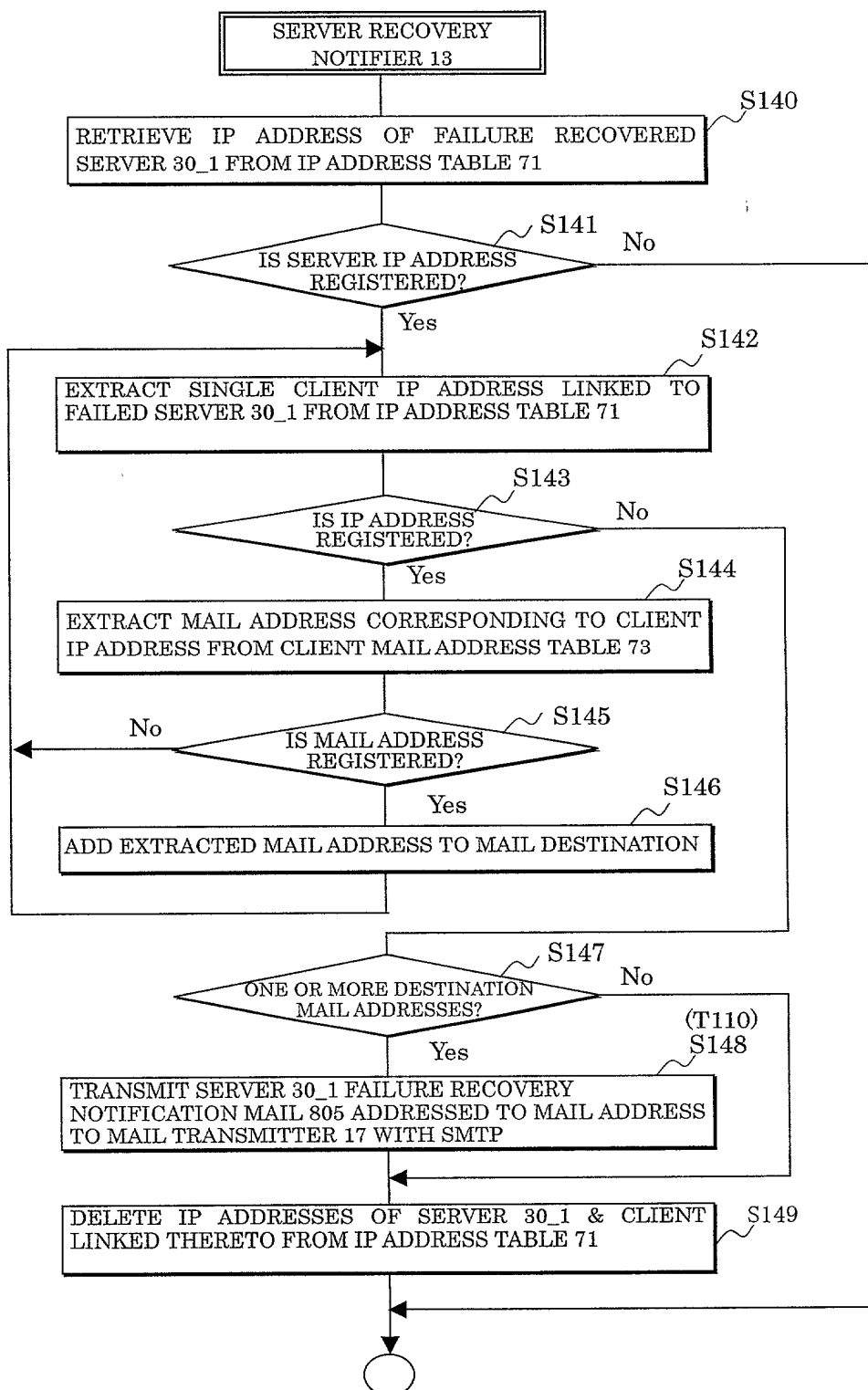


FIG.14

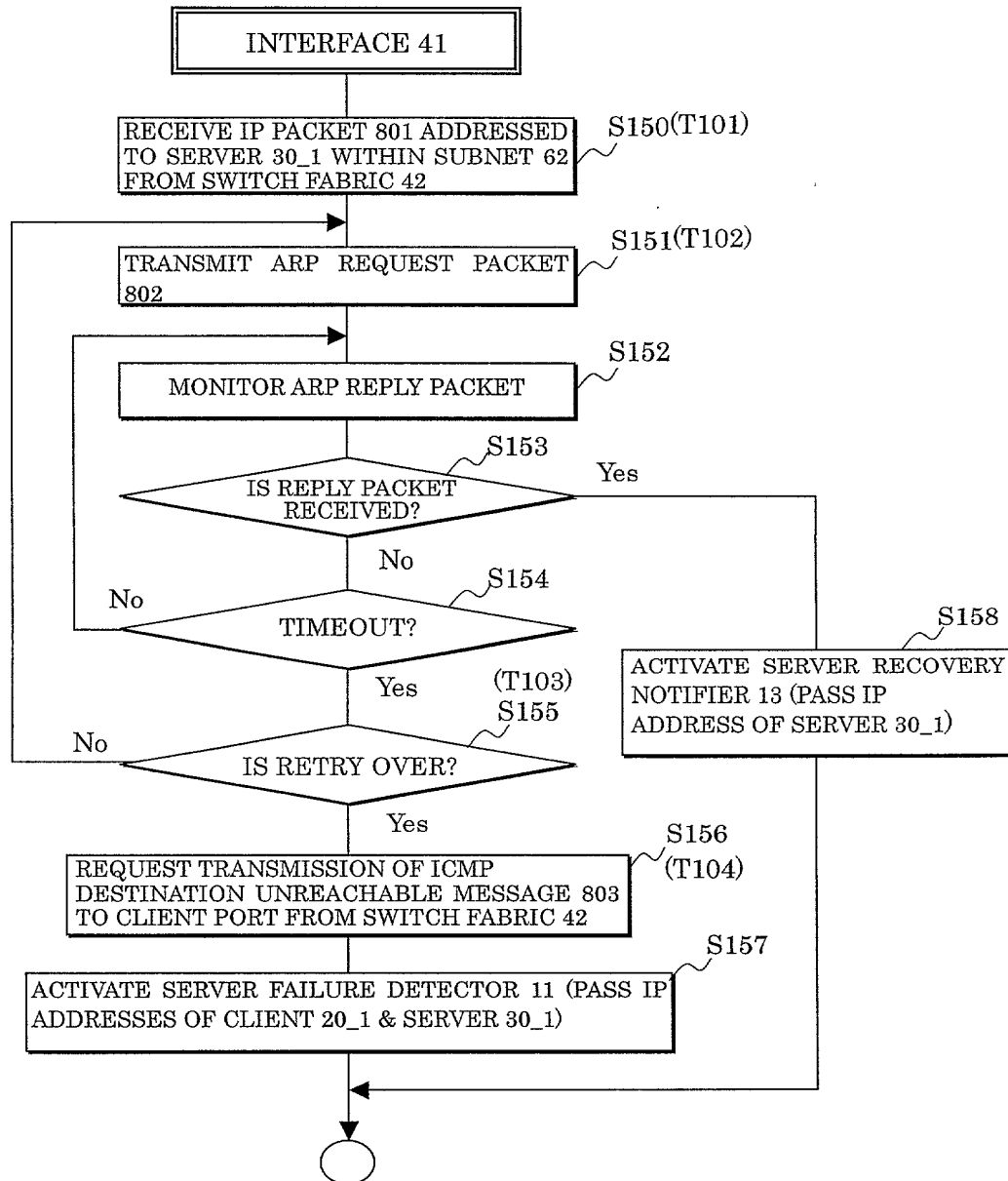


FIG.15A

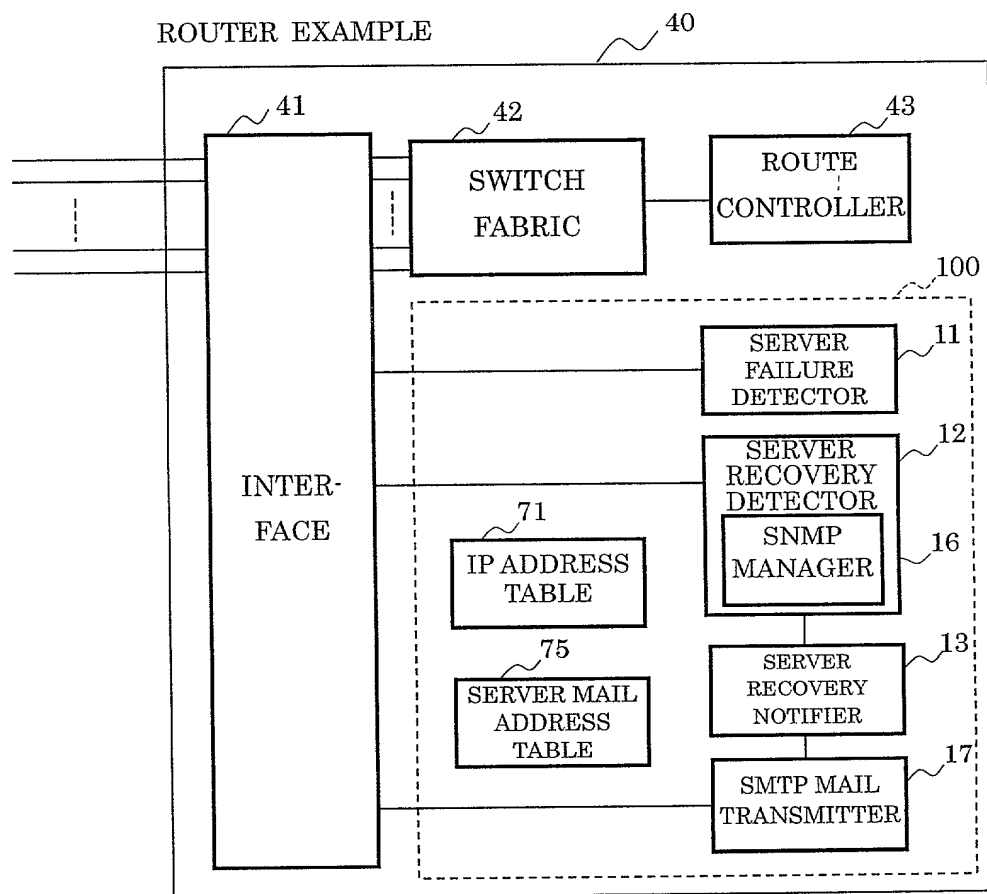


FIG.15B SERVER EXAMPLE

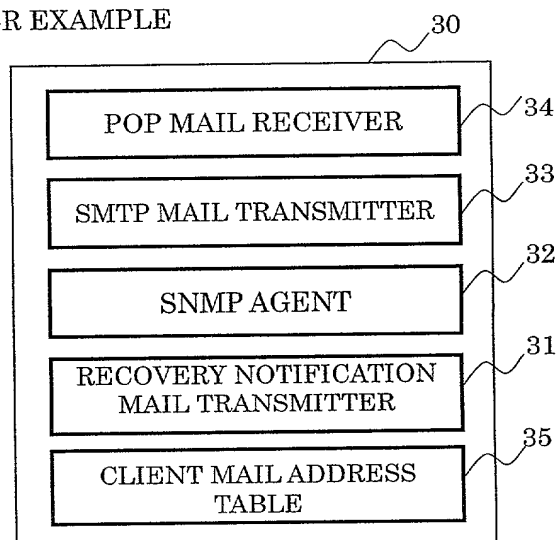


FIG.16

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SERVER IP ADDRESS	MAIL ADDRESS
172.27.178.80	Sav_1@xxx.yyy.co.jp
172.27.178.81	Sav_2@xxx.yyy.co.jp
172.27.178.82	Sav_3@xxx.yyy.co.jp

FIG.18

812,822

SERVER IP ADDRESS	: 172.27.178.80
CLIENT IP ADDRESS	: 172.27.179.151
CLIENT IP ADDRESS	: 172.27.179.153
CLIENT IP ADDRESS	: 172.27.179.157
CLIENT IP ADDRESS	: 172.27.179.161

FIG.17

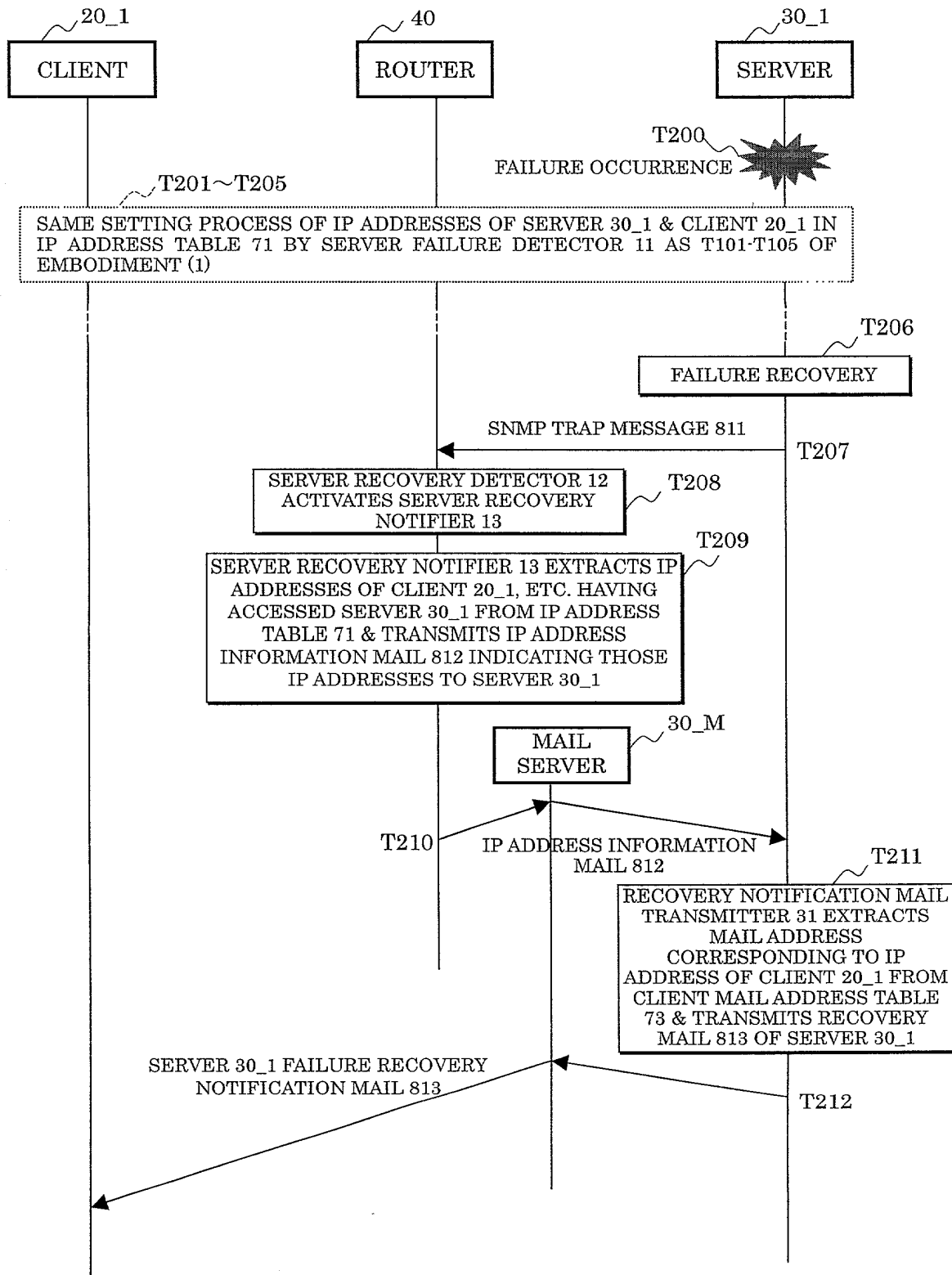


FIG.19

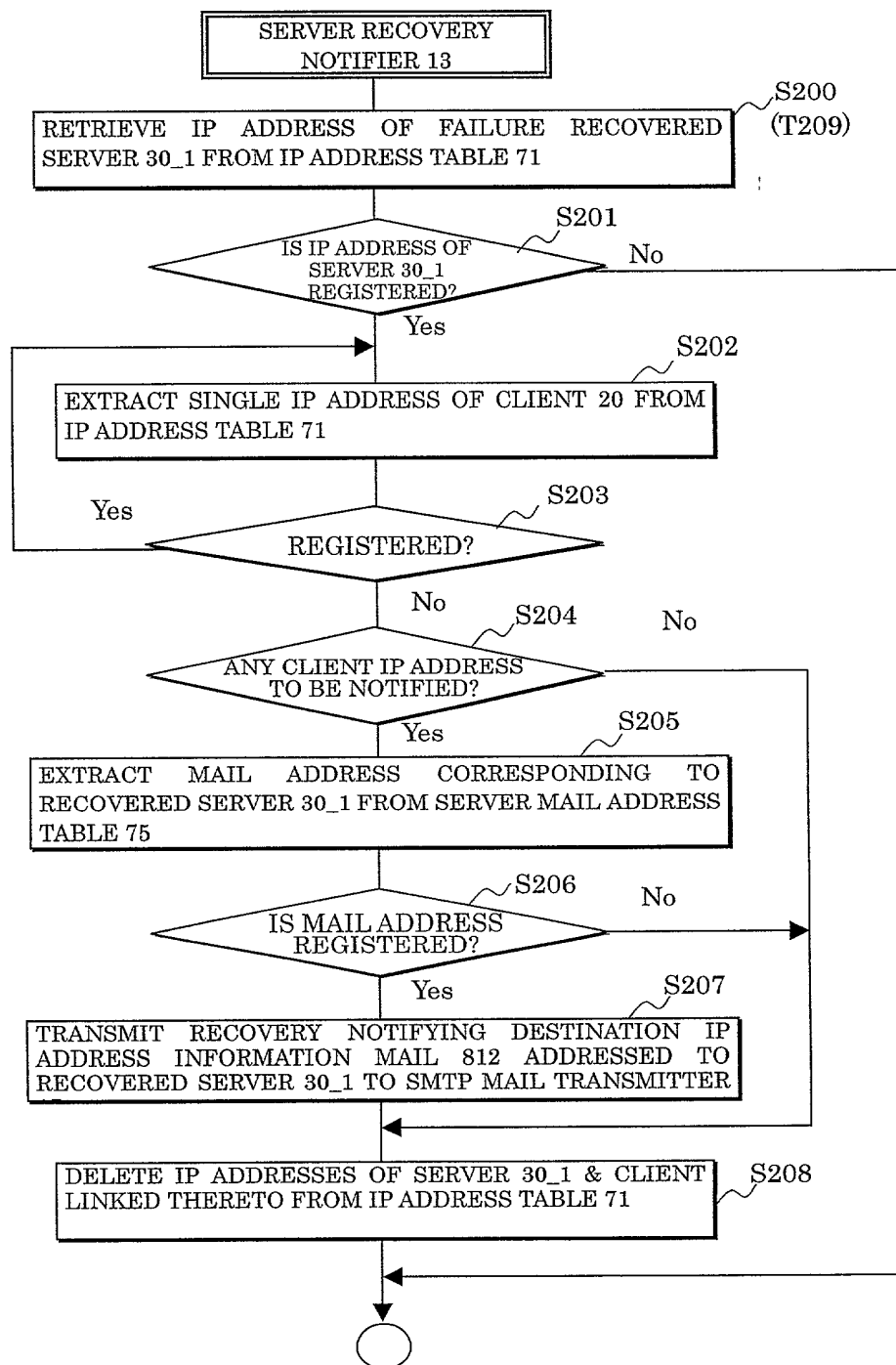


FIG.20

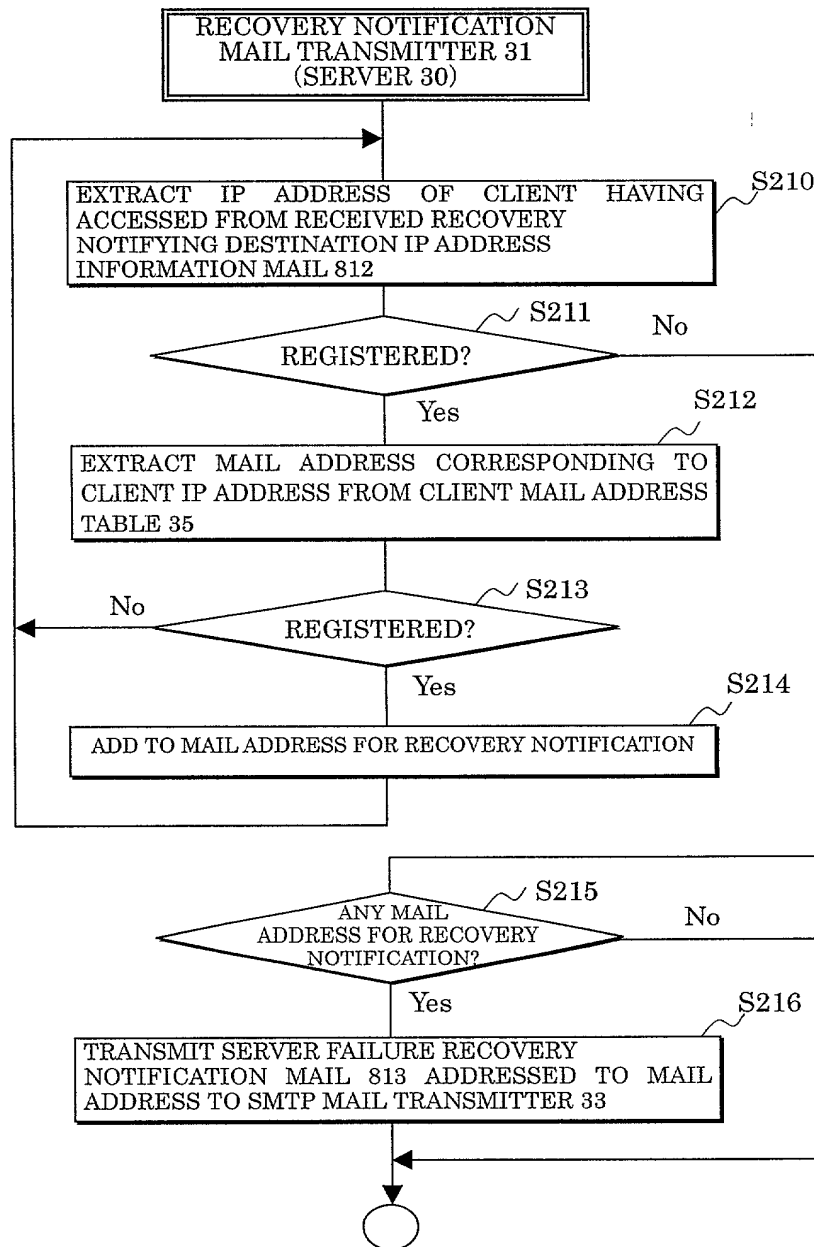


FIG.21

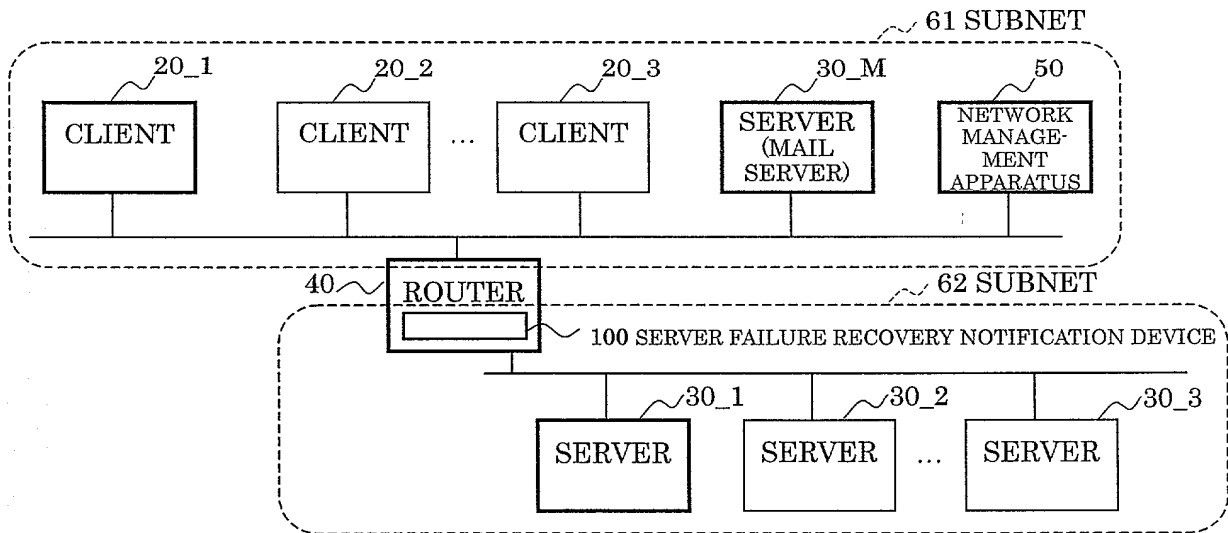


FIG.22

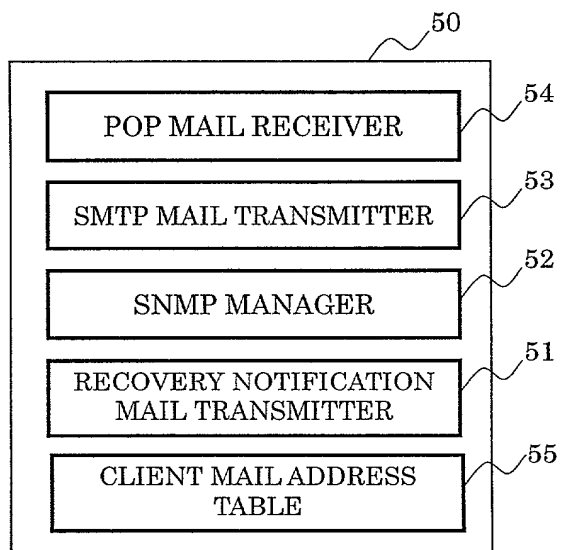


FIG.23

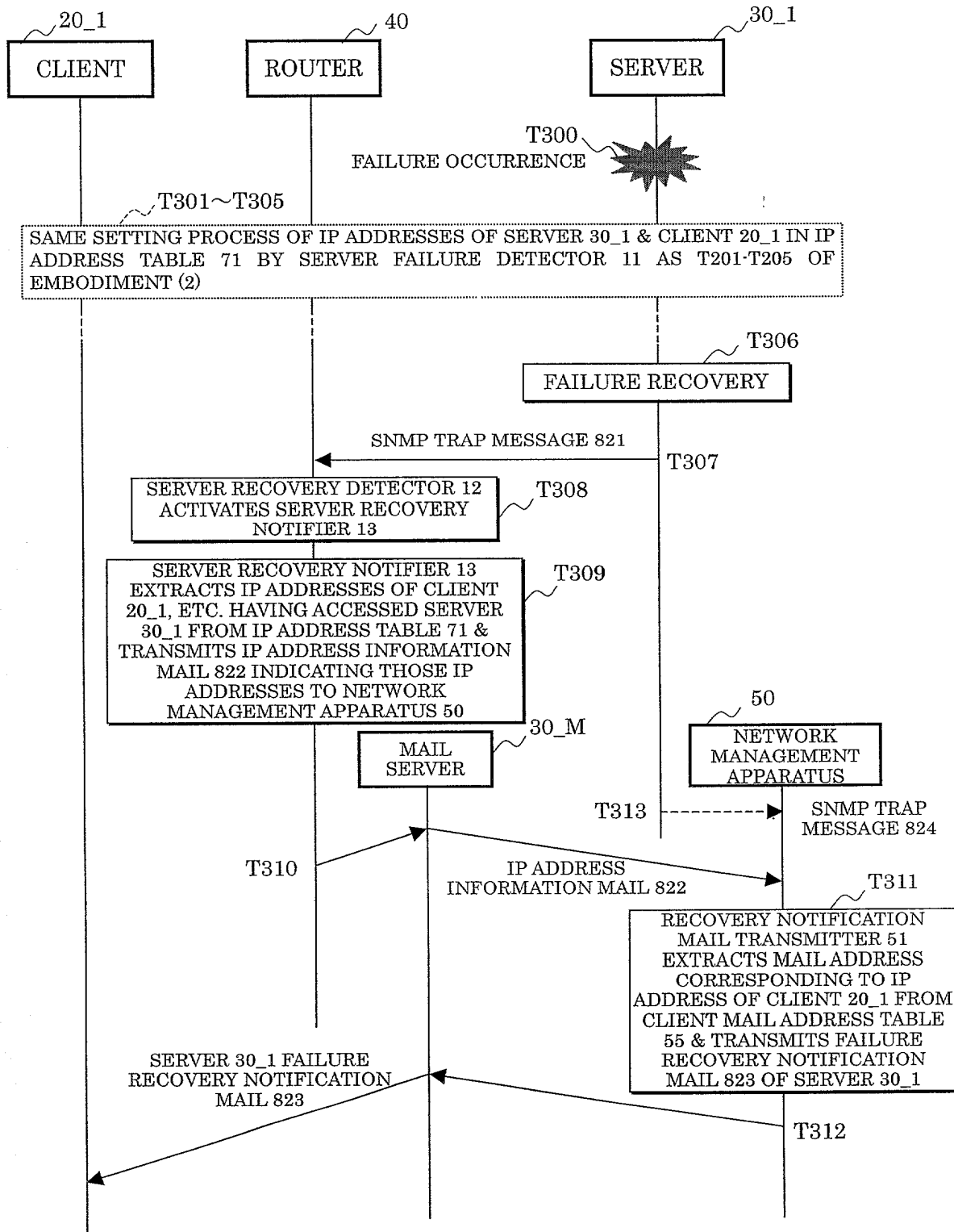


FIG.24

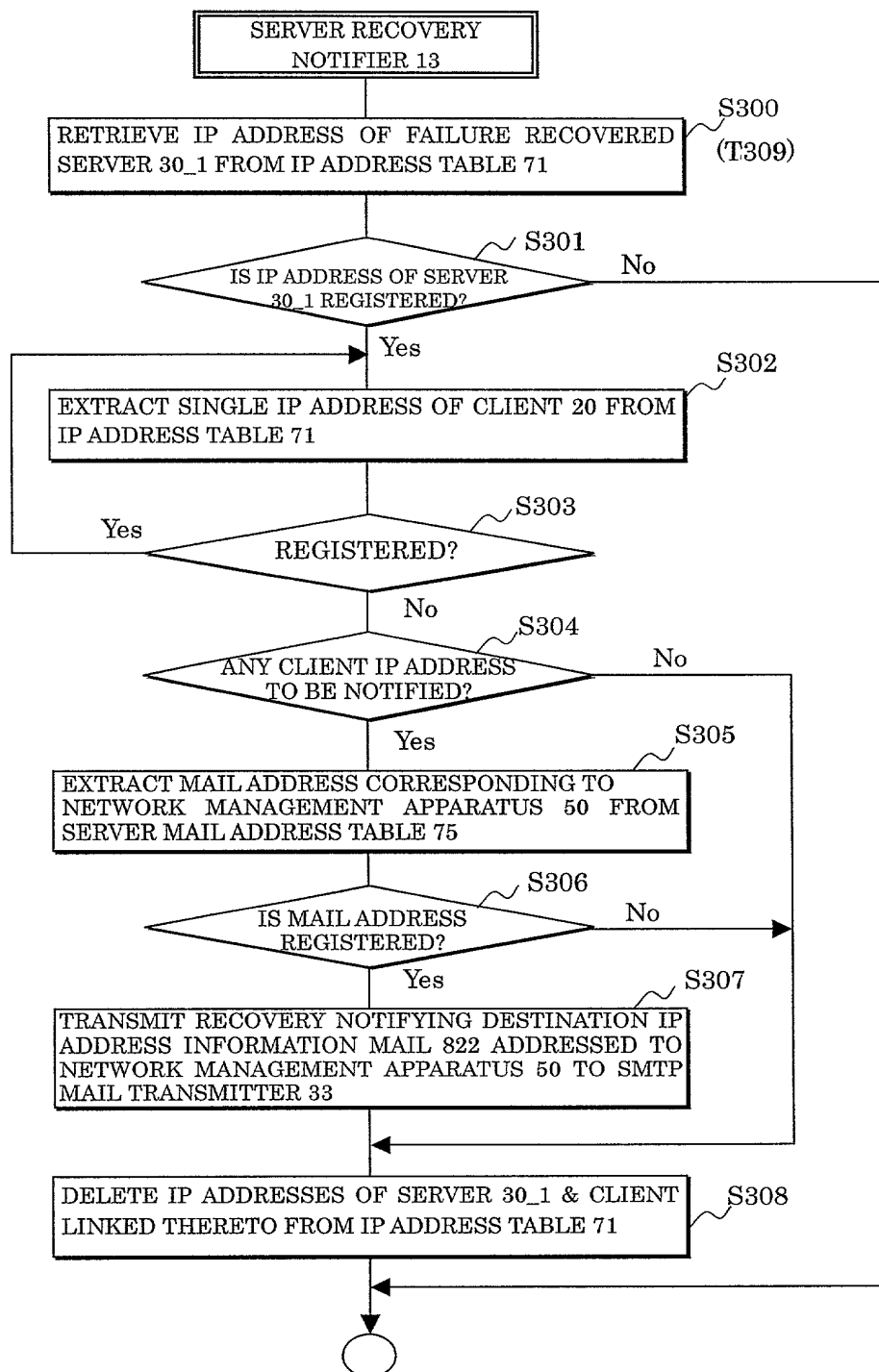


FIG.25

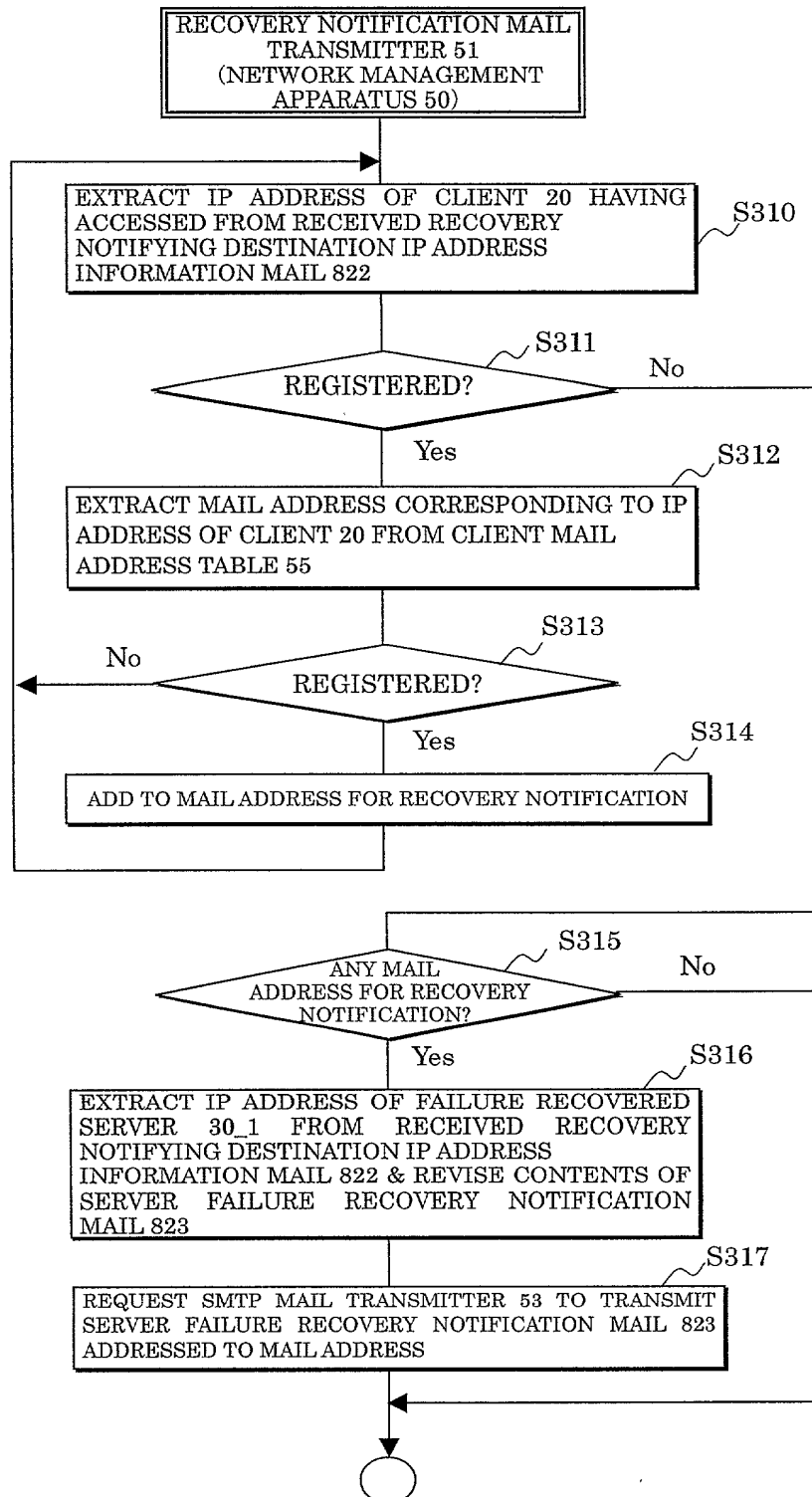


FIG.26

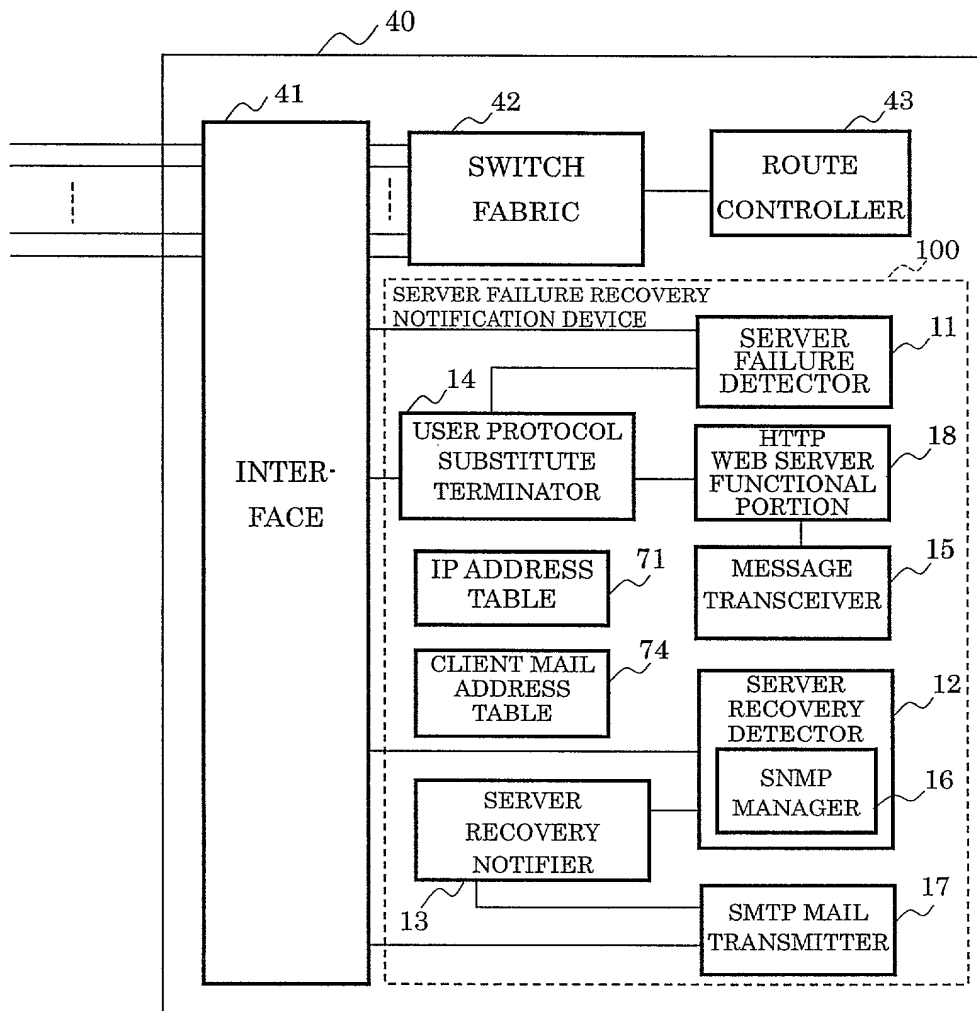


FIG.27

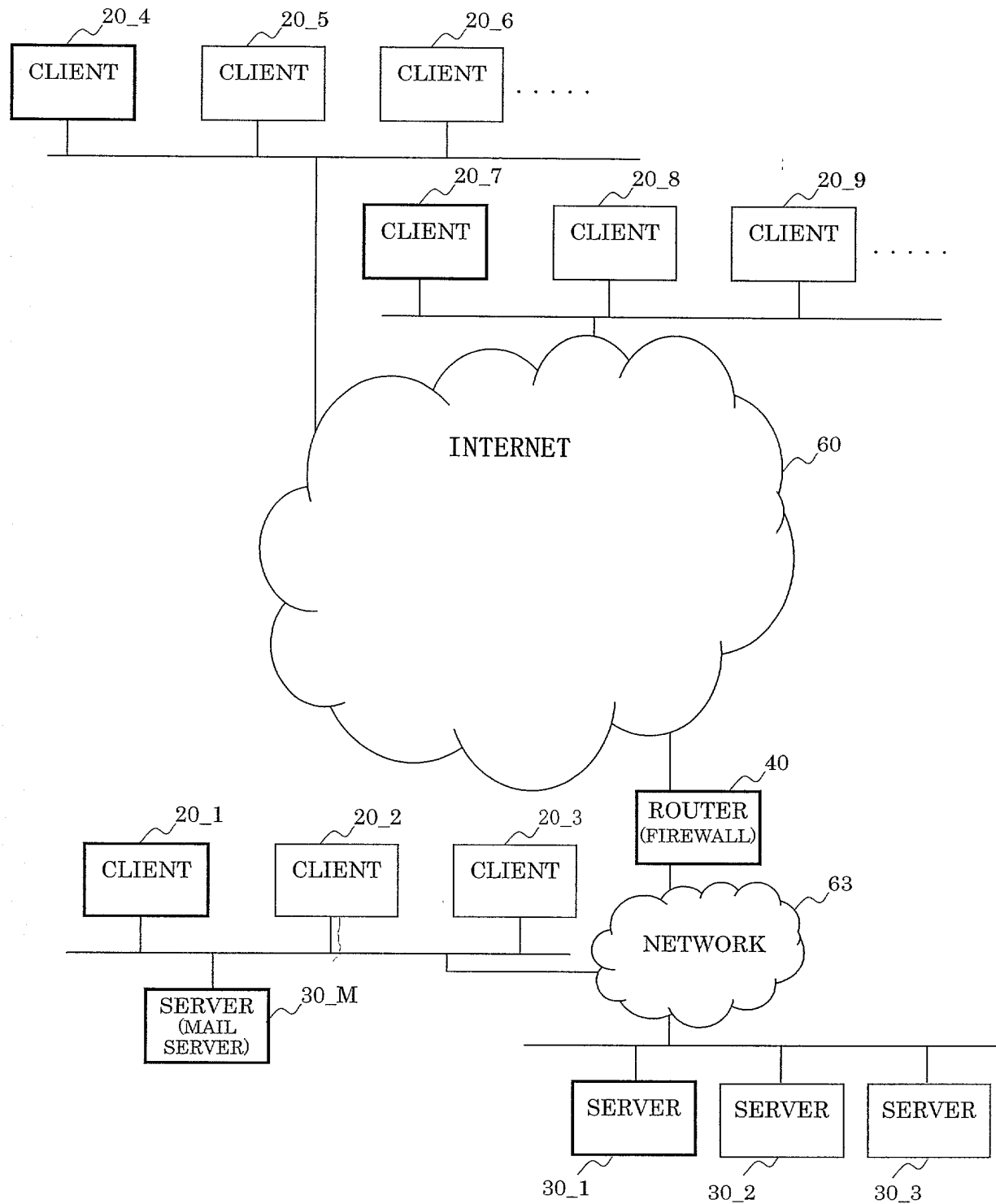


FIG.28

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CLIENT IP ADDRESS	MAIL ADDRESS	REGISTRATION DATE & TIME
172.27.179.150	Tanaka@xxx.yyy.co.jp	2000/01/04 20:23:25
172.27.179.151	Sato@xxx.yyy.co.jp	2000/01/04 21:03:12
172.27.179.152	Nakamura@xxx.yyy.co.jp	2000/01/04 21:24:25

FIG.29

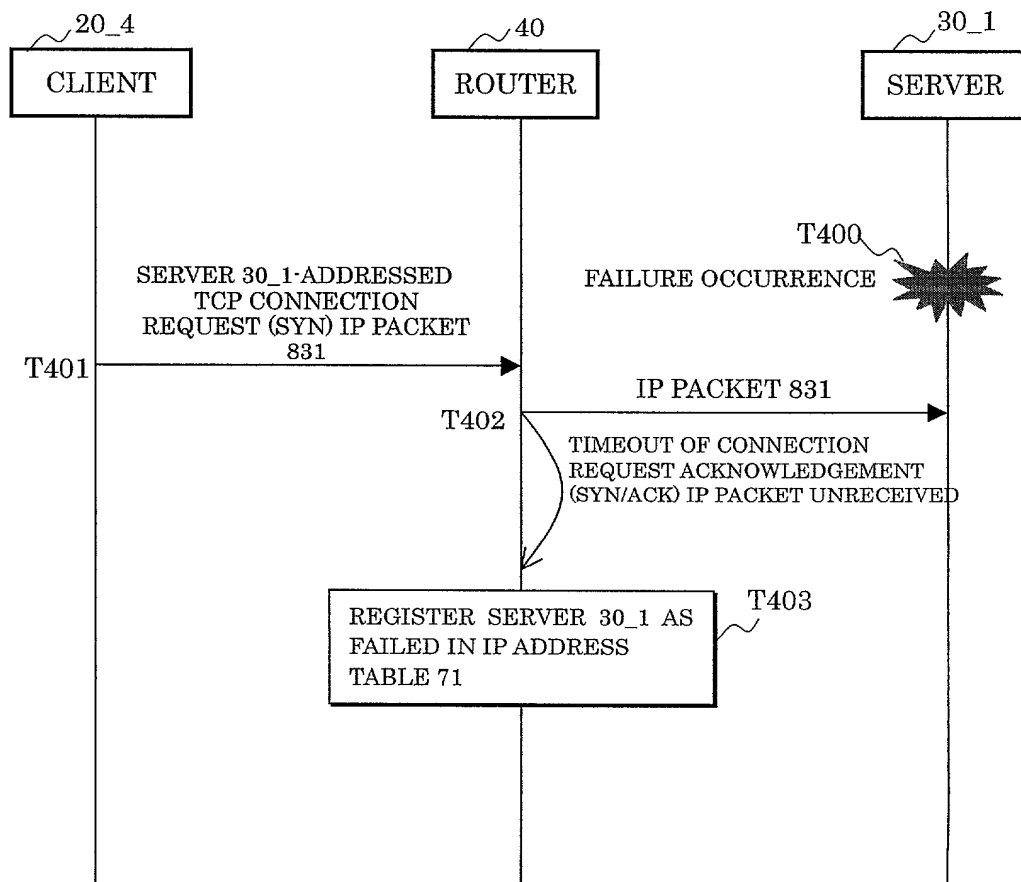


FIG.30

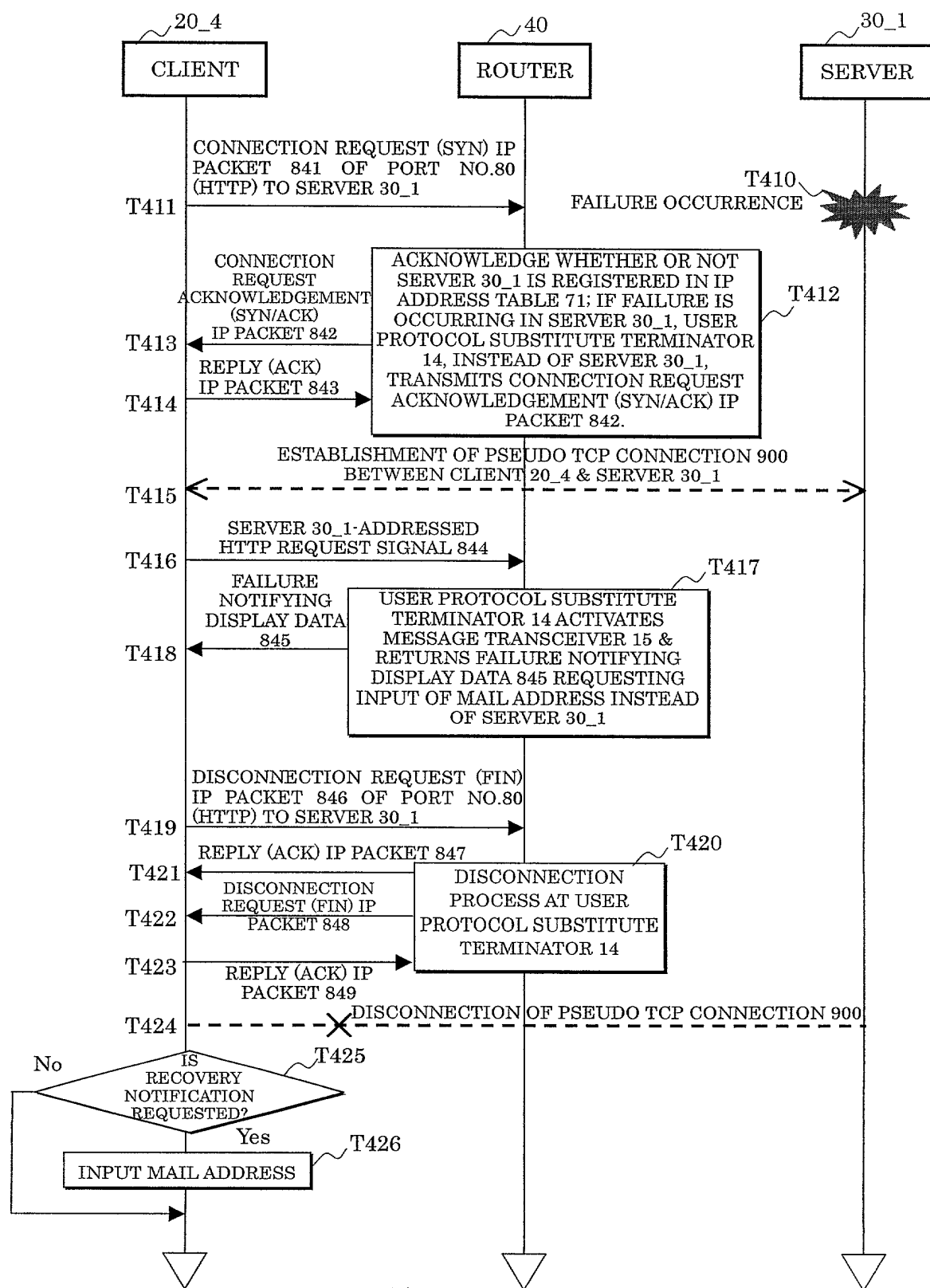


FIG.31

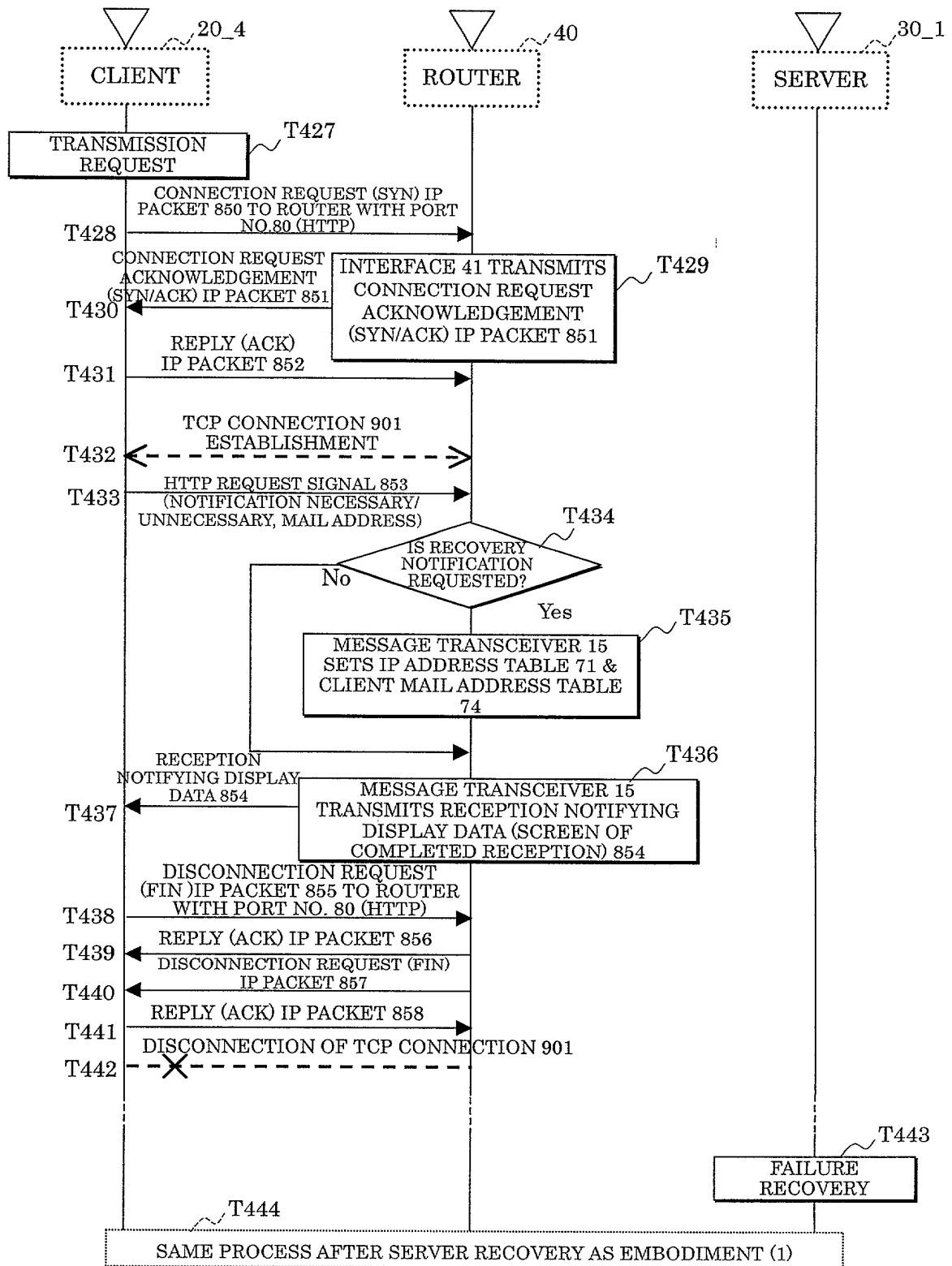


FIG.32A

SCREEN FOR INQUIRING WHETHER OR NOT RECOVERY NOTIFICATION MAIL IS NECESSARY

YOU CANNOT ACCESS FOLLOWING SERVER NOW DUE TO FAILURE.
PLEASE INPUT MAIL ADDRESS IF RECEPTION OF "SERVER FAILURE
RECOVERY NOTIFICATION" MAIL AFTER FAILURE RECOVERY IS DESIRED.

MAIL ADDRESS :

TRANSMISSION

FAILED SERVER : 172.27.178.80

FIG.32B

SCREEN FOR INDICATING RECEPTION COMPLETION OF CLIENT MAIL ADDRESS

REGISTRATION OF MAIL ADDRESS HAS BEEN COMPLETED.
"SERVER FAILURE RECOVERY NOTIFICATION" MAIL WILL BE TRANSMITTED
AFTER FAILURE RECOVERY.

REGISTERED MAIL ADDRESS : abc@ddd.eee.co.jp

FAILED SERVER : 172.27.178.80

FIG.33

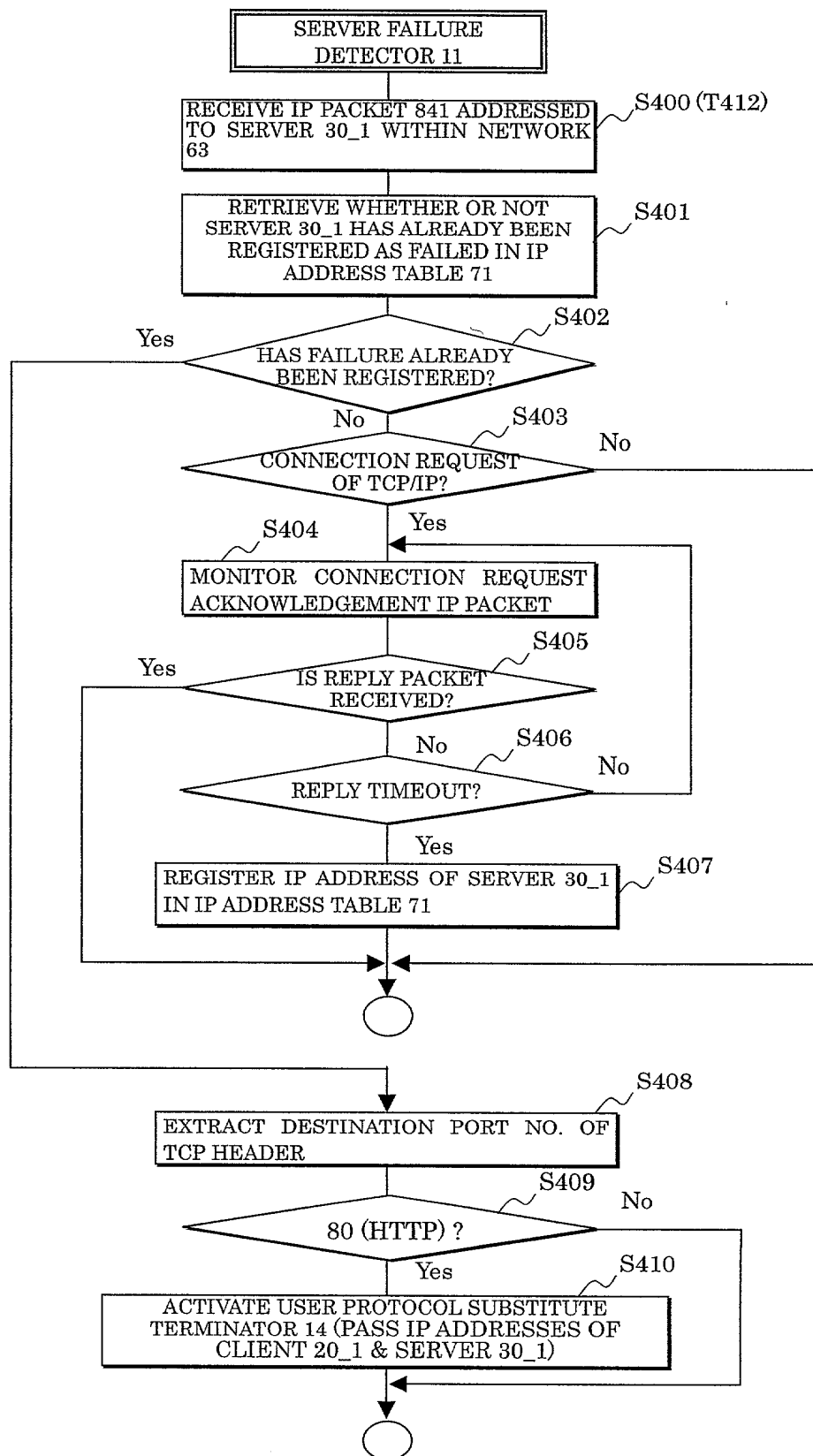


FIG.34

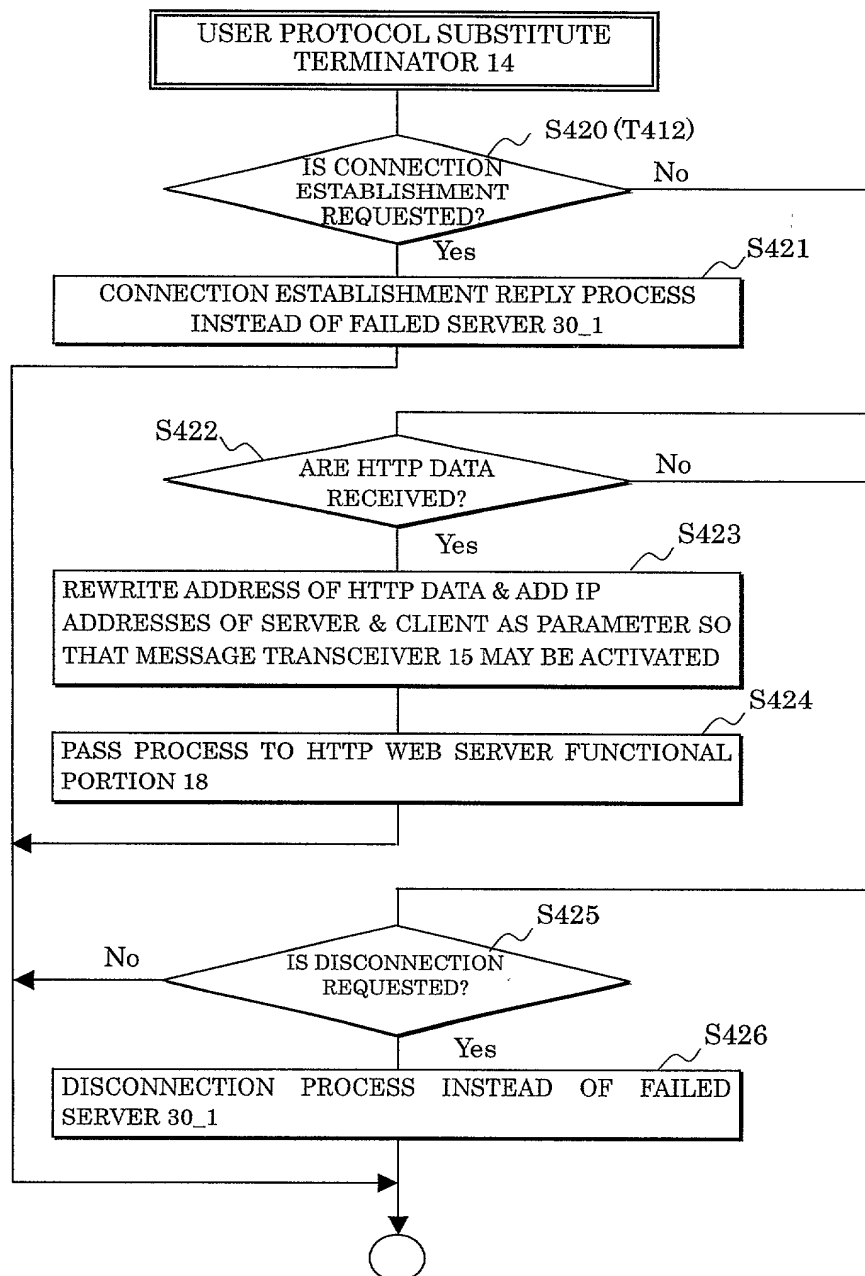


FIG.35

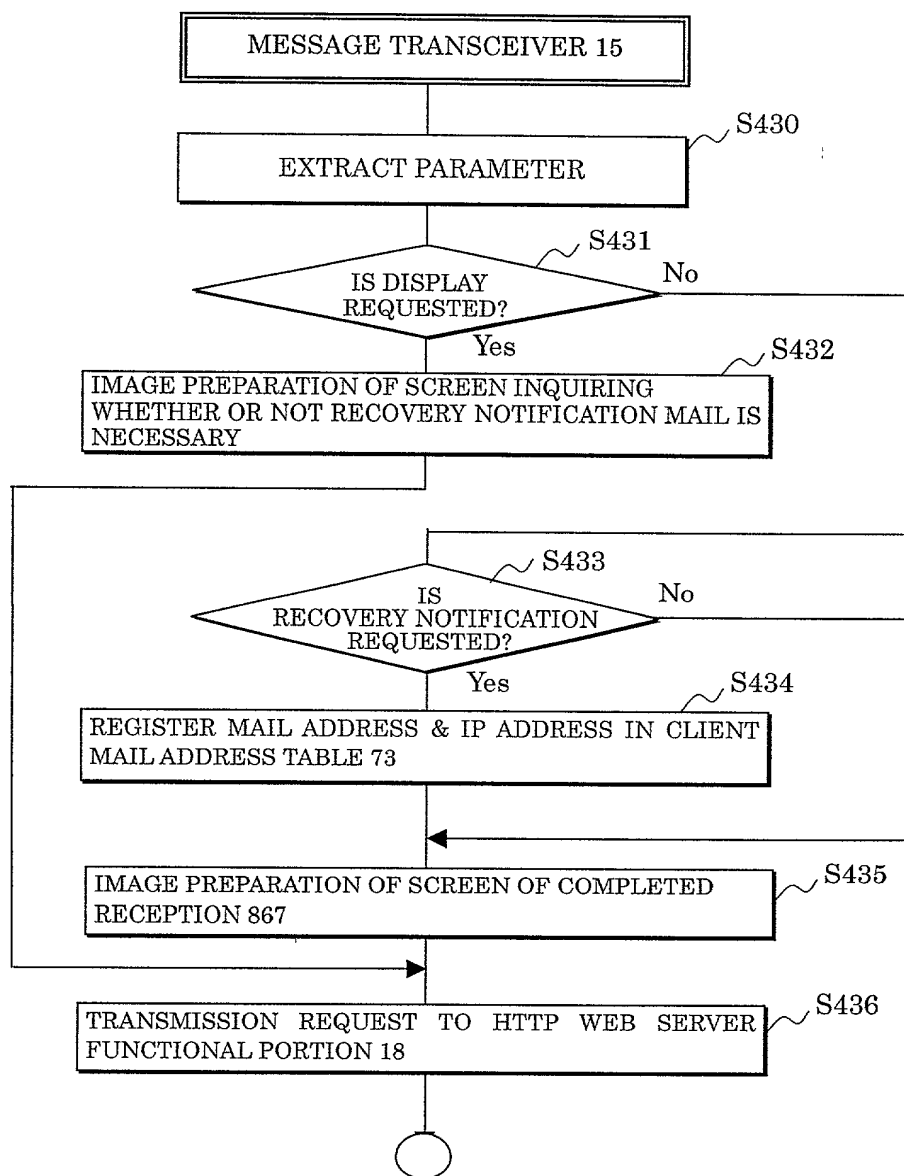


FIG.36

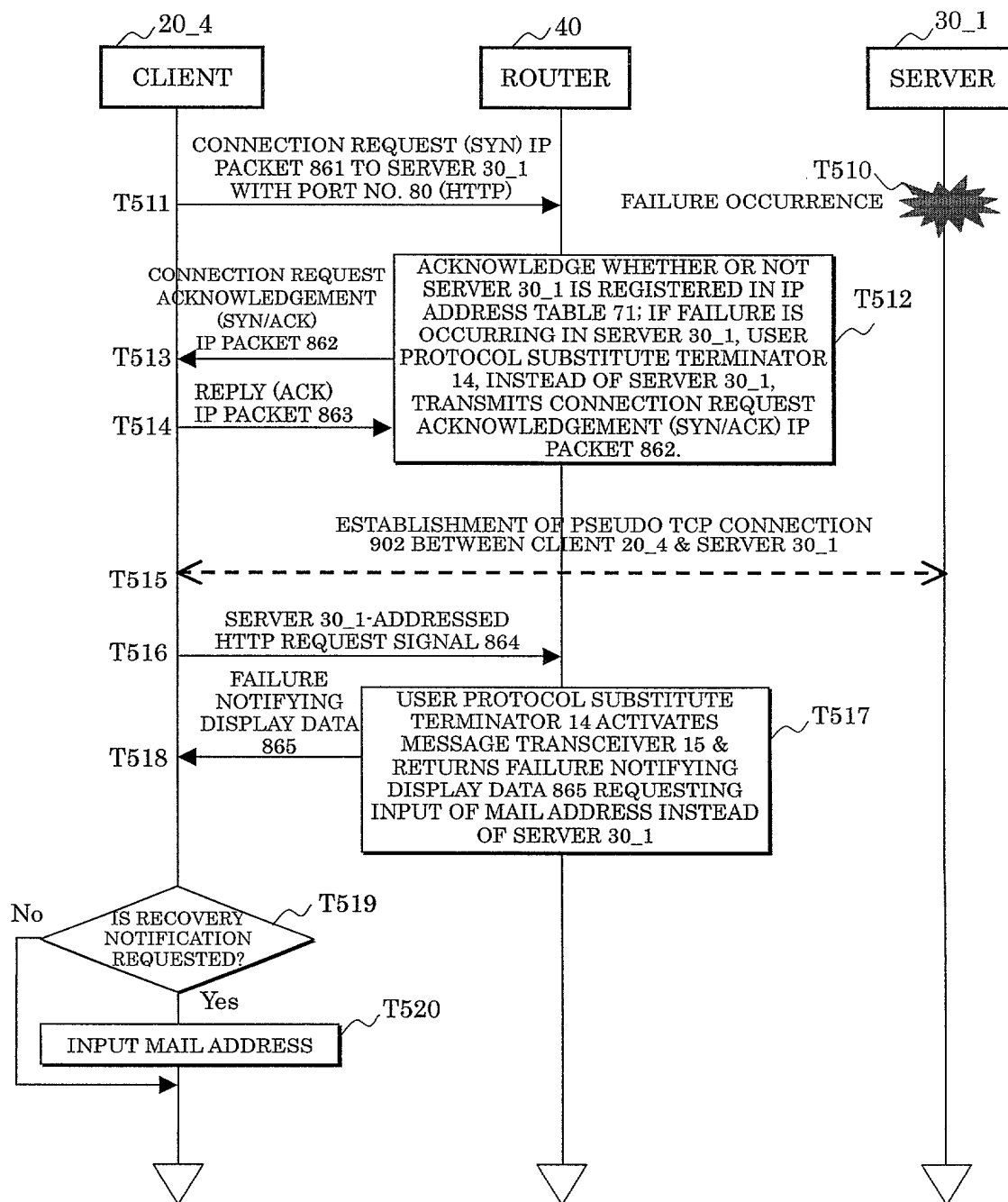


FIG.37

